

U.S. Patent Appl'n. No. 10/601,781  
Office Action Mailed August 19, 2004  
Am't Dated December 20, 2004 (Monday)

CHANGES TO THE CLAIMS

Please amend claims 1, 3, 4 and 6-10 and cancel claim 5 as follows.

1. (Currently Amended) A method for controlling a clutch pressure during a power-shift, shift comprising the steps of:

a.) changing a pressure in ~~the~~ a first clutch over a predetermined first time interval, interval while calculating a ratio of an input speed on an input side of the first clutch to an output speed on an output side of the clutch at predetermined second time intervals shorter than the first interval, ~~for determining to determine if whether the first~~ clutch is slipping; and

b.) adjusting a rate of ~~the changing~~ change of the pressure as a function of determined clutch slippage;

c.) changing a pressure in a second clutch over the predetermined first time interval while calculating a ratio of an input speed on an input side of the second clutch to an output speed on an output side of the second clutch at predetermined second time intervals shorter than the first interval to determine whether the second clutch is slipping; and

d.) adjusting a rate of change of the pressure in the second clutch as a function of the determined second clutch slippage.

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2. (Original) The method of claim 1, wherein the first time interval is from about 0.1 to about 0.15 second, and the second time intervals are each from about 0.01 to about 0.015 seconds.

3. (Currently Amended) The method of claim 1, wherein the first clutch is an off-going clutch and the pressure therein is decreasing.

4. (Currently Amended) The method of claim 1, wherein the second clutch is an on-coming clutch and the pressure therein is increasing.

5. (Canceled).

6. (Currently Amended) The method of claim 1, wherein ~~the~~ a calculated ratio is compared with a theoretical ratio to determine ~~the~~ clutch slippage.

7. (Currently Amended) The method of claim 1, wherein the first clutch is an off-going clutch and the pressure therein is decreasing and the rate of decrease in the pressure therein is increased when clutch slippage is present.

8. (Currently Amended) The method of claim 1, wherein the second clutch is an on-coming clutch and the pressure therein is increasing and the rate of increase in the pressure therein is increased when clutch slippage is present.

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9. (Currently Amended) The method of claim 1, wherein the first clutch is an off-going clutch and the pressure therein is decreased during the shift and the rate of the decrease is changed as a function of the determined first clutch slippage.

10. (Currently Amended) The method of claim 1, wherein the second clutch is an on-coming clutch and the pressure therein is increased during the shift and the rate of the increase is changed as a function of the determined clutch slippage.